

National Cybersecurity Center of Excellence

Financial Services Sector

Community of Interest Meeting
November 16, 2016

Agenda

- ▶ Introductions
- ▶ NCCoE Overview
- ▶ ARM project overview
 - Project Overview
 - Architecture
 - Vendors
 - Discuss project (lessons learned, pit falls to consider)
- ▶ FS-ISAC Fall Summit Review
- ▶ New Project Ideas
- ▶ Cybersecurity Decision Business Drivers

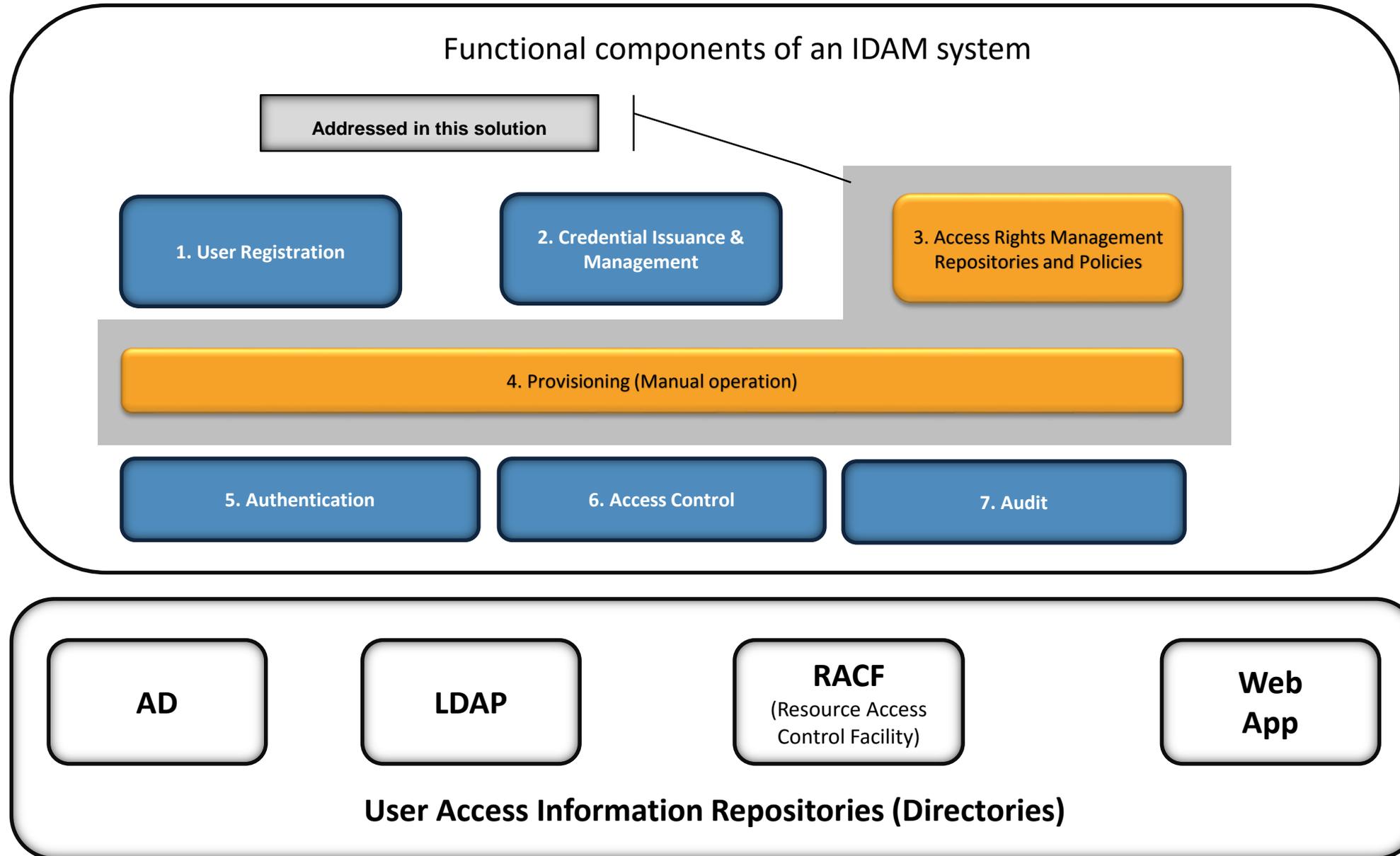


Access Management:

ITIL Service Operation processes - “The process responsible for allowing users to make use of IT services, data, or other assets. Access management helps to protect the confidentiality, integrity, and availability of assets by ensuring that only authorized users are able to access or modify them. Access management implements the policies of information security management and is sometimes referred to as rights management or identity management.”

- ▶ More simply, it’s controlling the changes required when users are added, removed or change jobs to ensure they have access to the systems needed to perform their job and nothing more...(within organizational policy)

- ▶ What Access Rights Management is not:
 - The ARM project is not addressing authorization/authentication decision processes (policy decision and enforcement points)
 - Identity verification and credentialing



Goal: Improve security of an organization by automating the administration of access policies and provisioning of user access information (reducing human errors)

Vendors: **AlertEnterprise!**

VANGUARD
INTEGRITY PROFESSIONALS

splunk>

HYTRUST

NEXTLABS

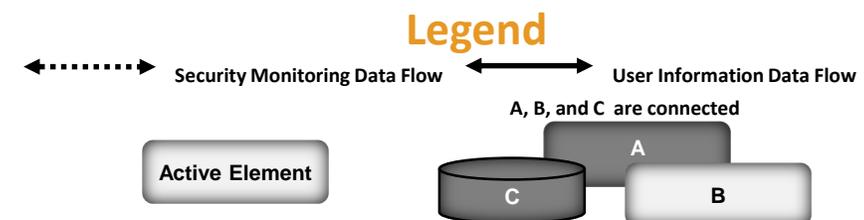
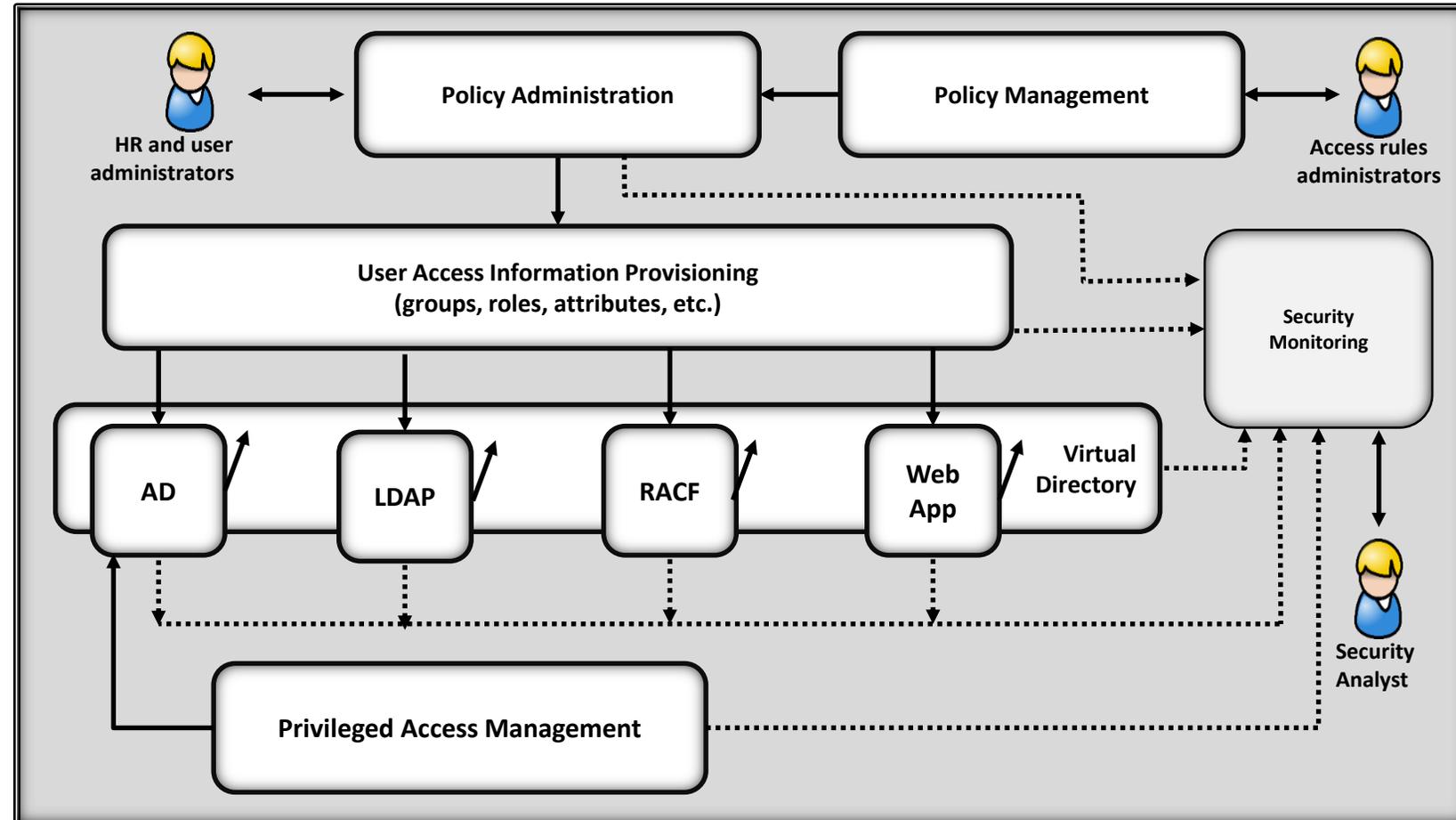
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LOGIC**

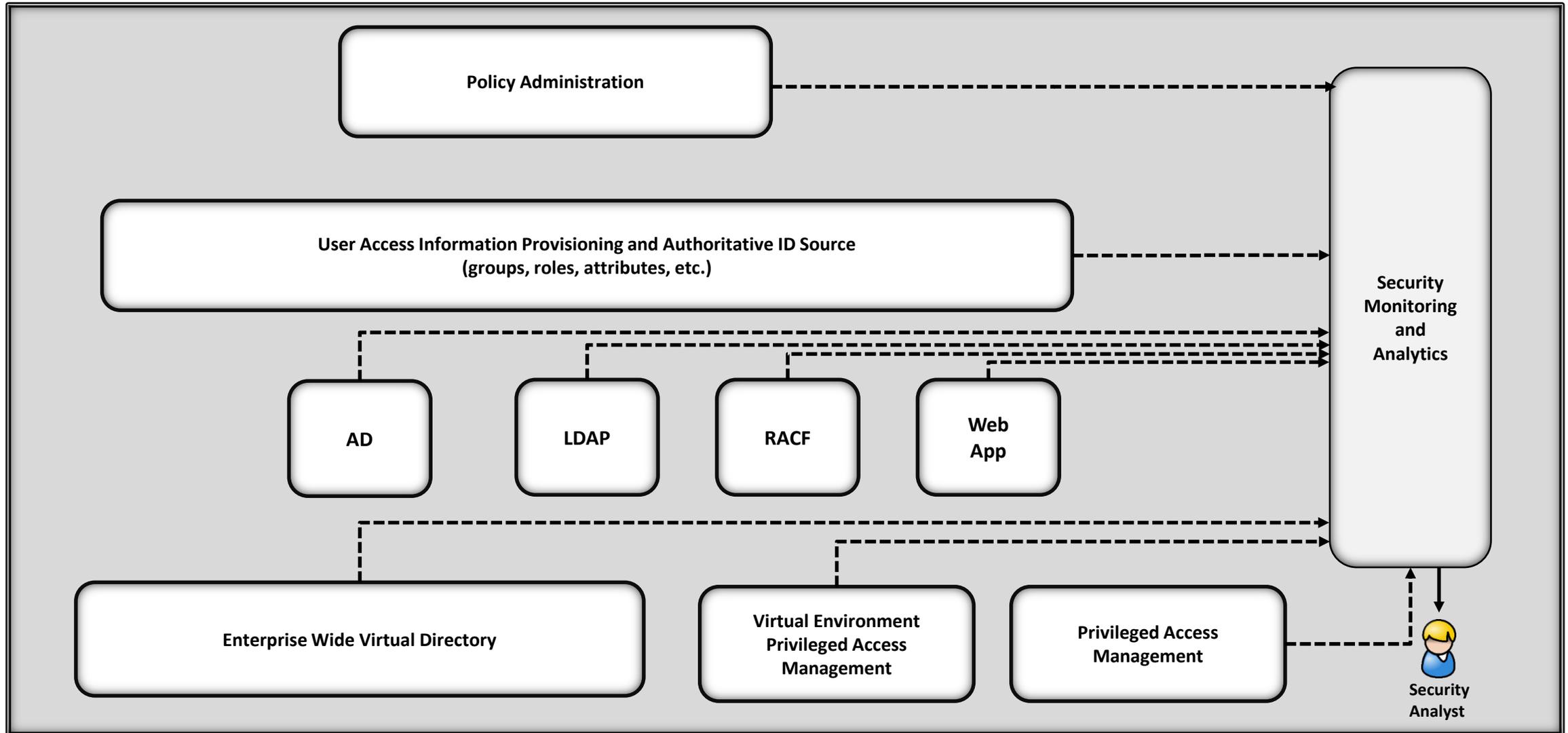
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https://nccoe.nist.gov/projects/use_cases/access_rights_management

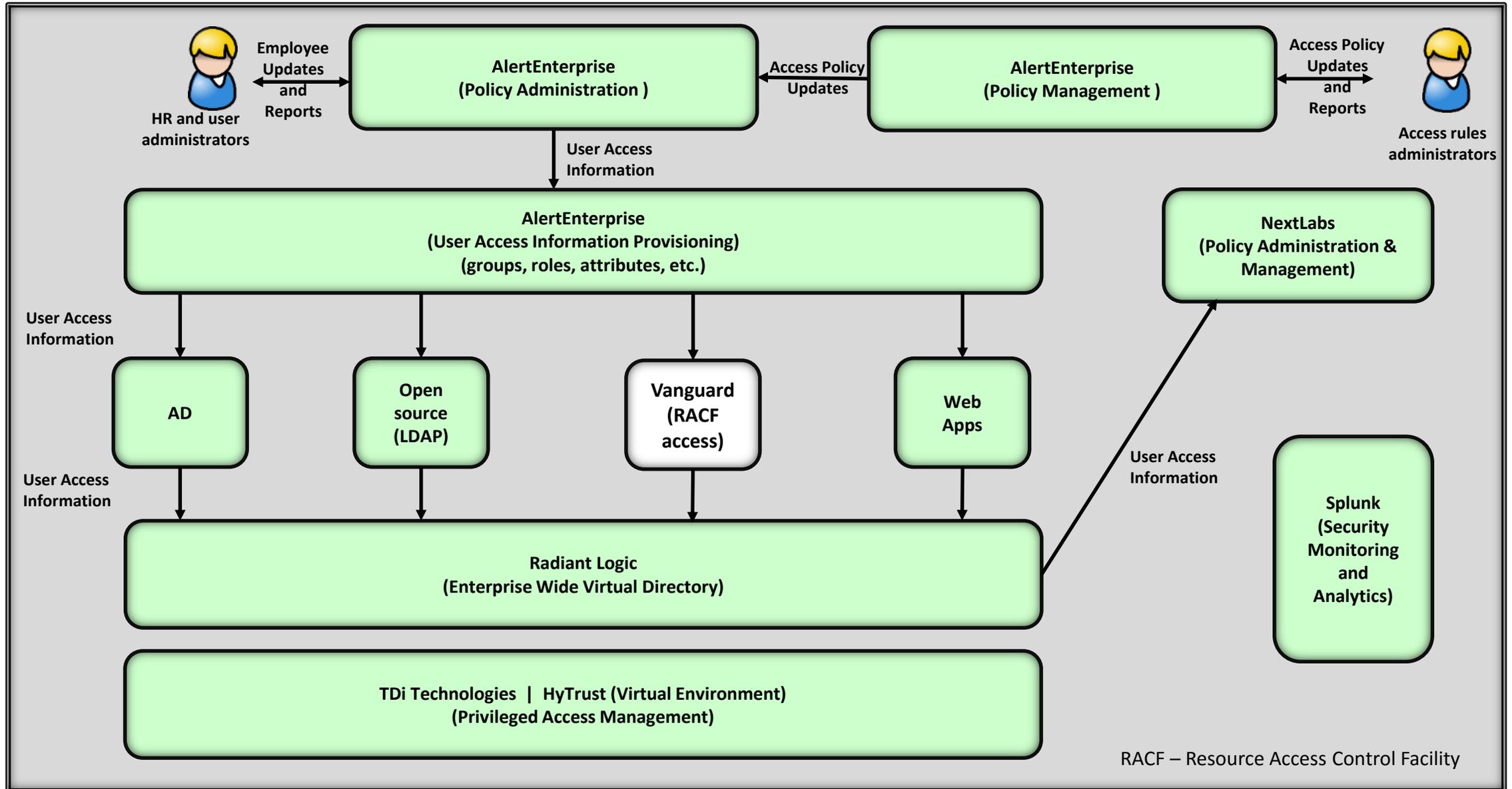
Processes

- ▶ Collect user information from HR system
- ▶ Collect access rule sets from management
- ▶ Process access rules to create access provisioning rules
- ▶ Provision user access information (changes, new or disable) to appropriate directories
- ▶ Monitor directories for changes and analyze for anomalous activity





User Access Information changes, system and application logs ----->



New Project Ideas

- ▶ Threat Information Sharing
- ▶ Privileged Access Management
- ▶ 3rd party access management
- ▶ Others?



For discussion

- ▶ What influences your cybersecurity decisions?
 - Do you use FAIR Institute information risk methodologies?
 - NY State proposed regulations
 - FTC proposal for enhanced regulations ??
 - FFIEC guidance
 - CSF guidance

- ▶ What information can we incorporate in our documentation to help you?
 - Support for compliance (of which regulations or guidance)
 - More details???



Session: "Practical Solutions for Managing Access and Assets"



Monday October 24, 2016



2016 Cybersecurity Forum November 10-11, 2016



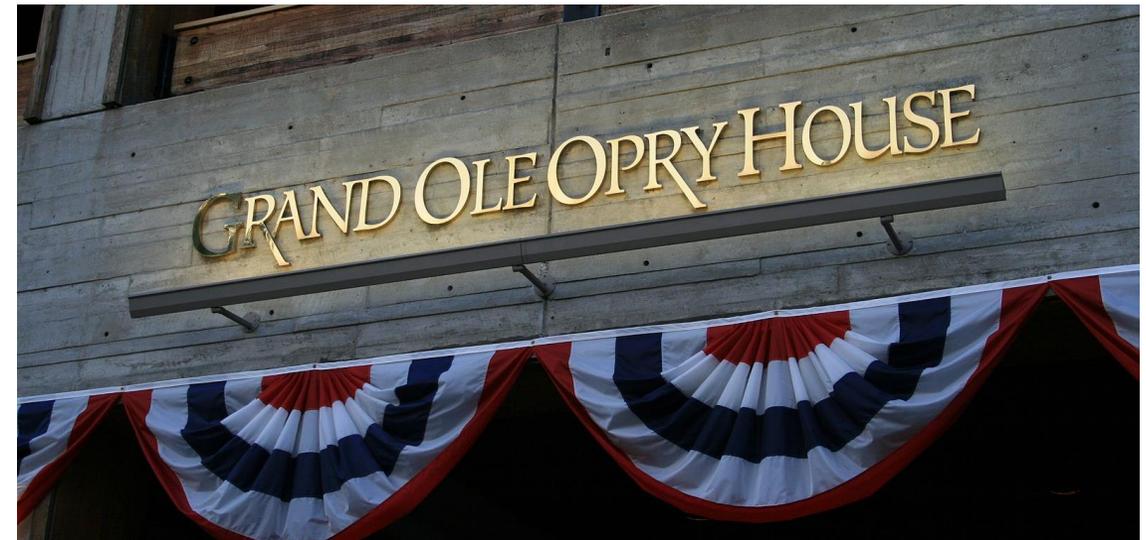
Jim Banoczi



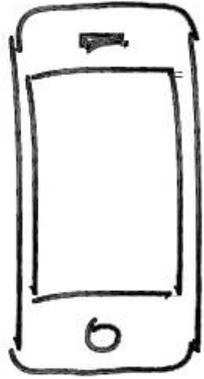
Harry Perper

FS-ISAC Fall Summit Review

- ▶ Did anyone attend?
- ▶ What was interesting?
- ▶ What we found interesting:
 - Financial Systemic Analysis & Resilience Center (FSARC)
 - Creation of the ISAO
 - Info sharing and analysis organization (standards body)
 - Risk management decision making and discussions with board
 - NIST Risk Management Framework
 - FAIR (Not well known)
 - Community banking issues
 - Resources
 - Format preserving encryption
 - NIST standard



Credit: Abbie Myers

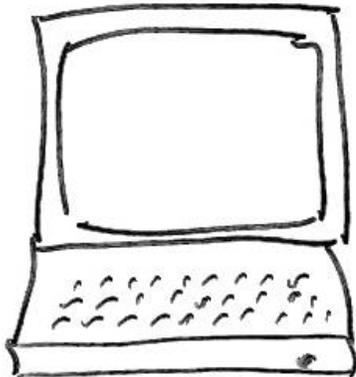


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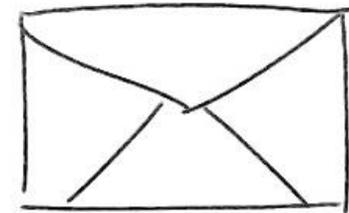


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Participate



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